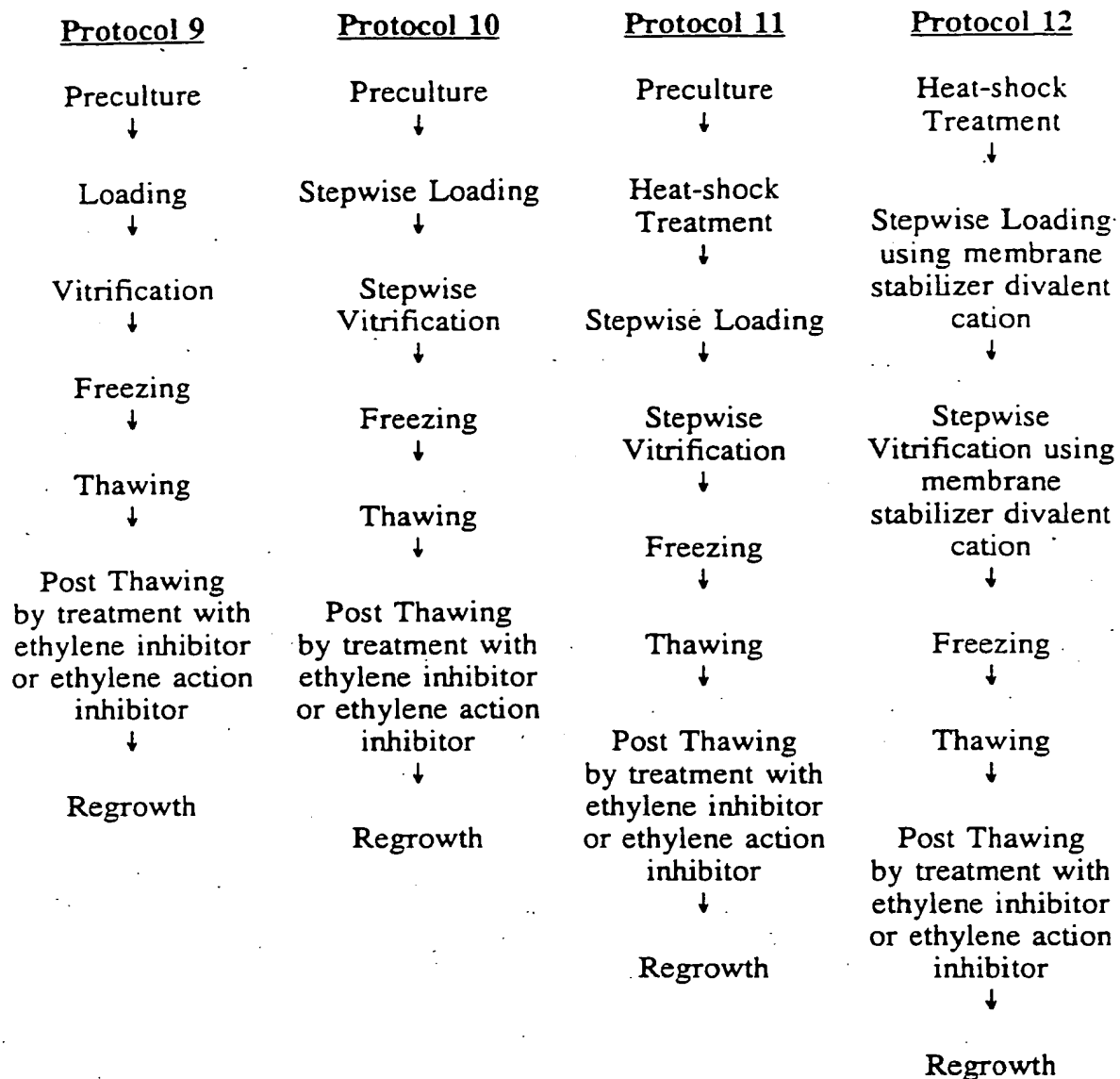


<u>Protocol 1</u>	<u>Protocol 2</u>	<u>Protocol 3</u>	<u>Protocol 4</u>
Preculture	Preculture	Preculture	Loading
↓	↓	↓	↓
Vitrification	Cold Treatment	Loading	Vitrification
↓	↓	↓	↓
Freezing	Vitrification	Vitrification	Freezing
↓	↓	↓	↓
Thawing	Freezing	Freezing	Thawing
↓	↓	↓	↓
Post-Thawing	Thawing	Thawing	Post-Thawing
↓	↓	↓	↓
Regrowth	Post-Thawing	Post-Thawing	Regrowth
	↓	↓	
	Regrowth	Regrowth	
<u>Protocol 5</u>	<u>Protocol 6</u>	<u>Protocol 7</u>	<u>Protocol 8</u>
Preculture	Lyophilization	Lyophilization	Thawing (cell Suspension)
↓	↓	↓	/ \
Lyophilization	Loading	Vitrification	Post-Thawing (Solid)
↓	↓	↓	↓
Vitrification	Freezing	Freezing	Recovery & Regrowth
↓	↓	↓	↓
Freezing	Thawing	Thawing	Callus
↓	↓	↓	↓
Thawing	Post Thawing	Post Thawing	Cell Suspension
↓	↓	↓	
Post Thawing	Regrowth	Regrowth	
↓			
Regrowth			

**FIGURE 1A**



**FIGURE 1B**

10015939 121701

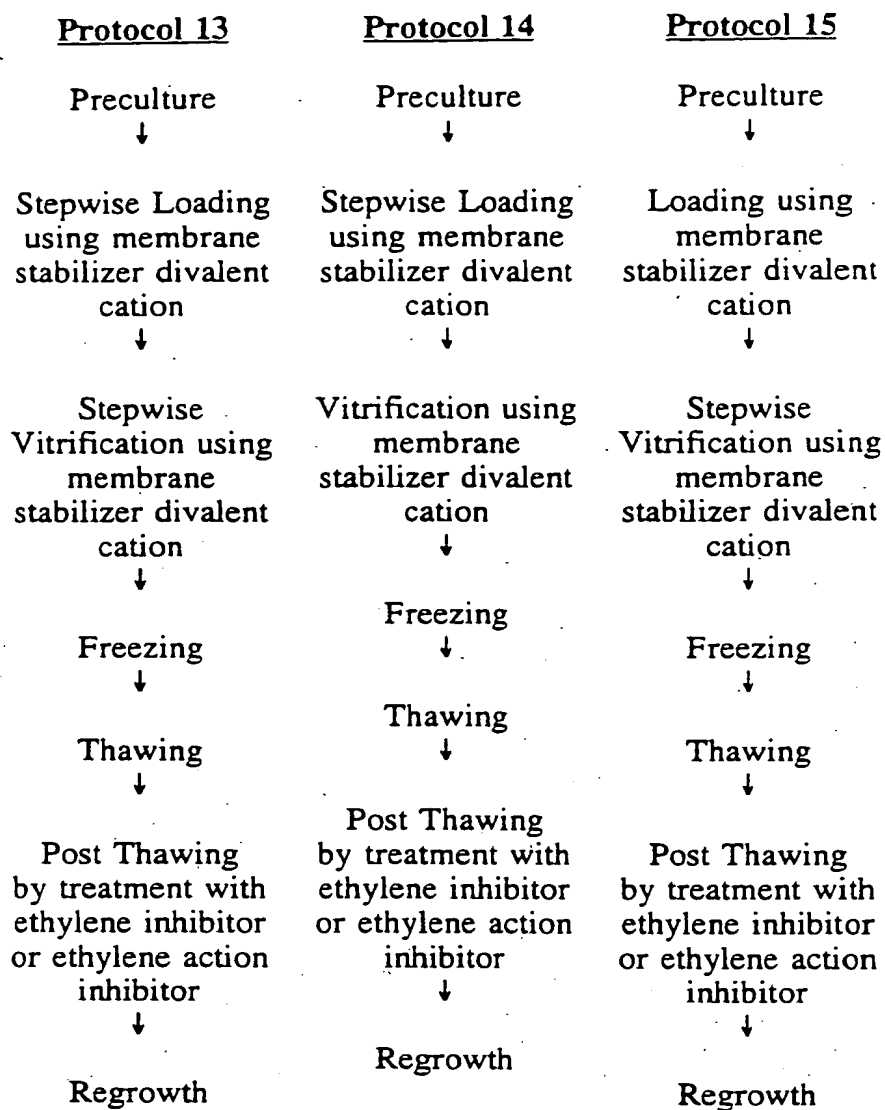
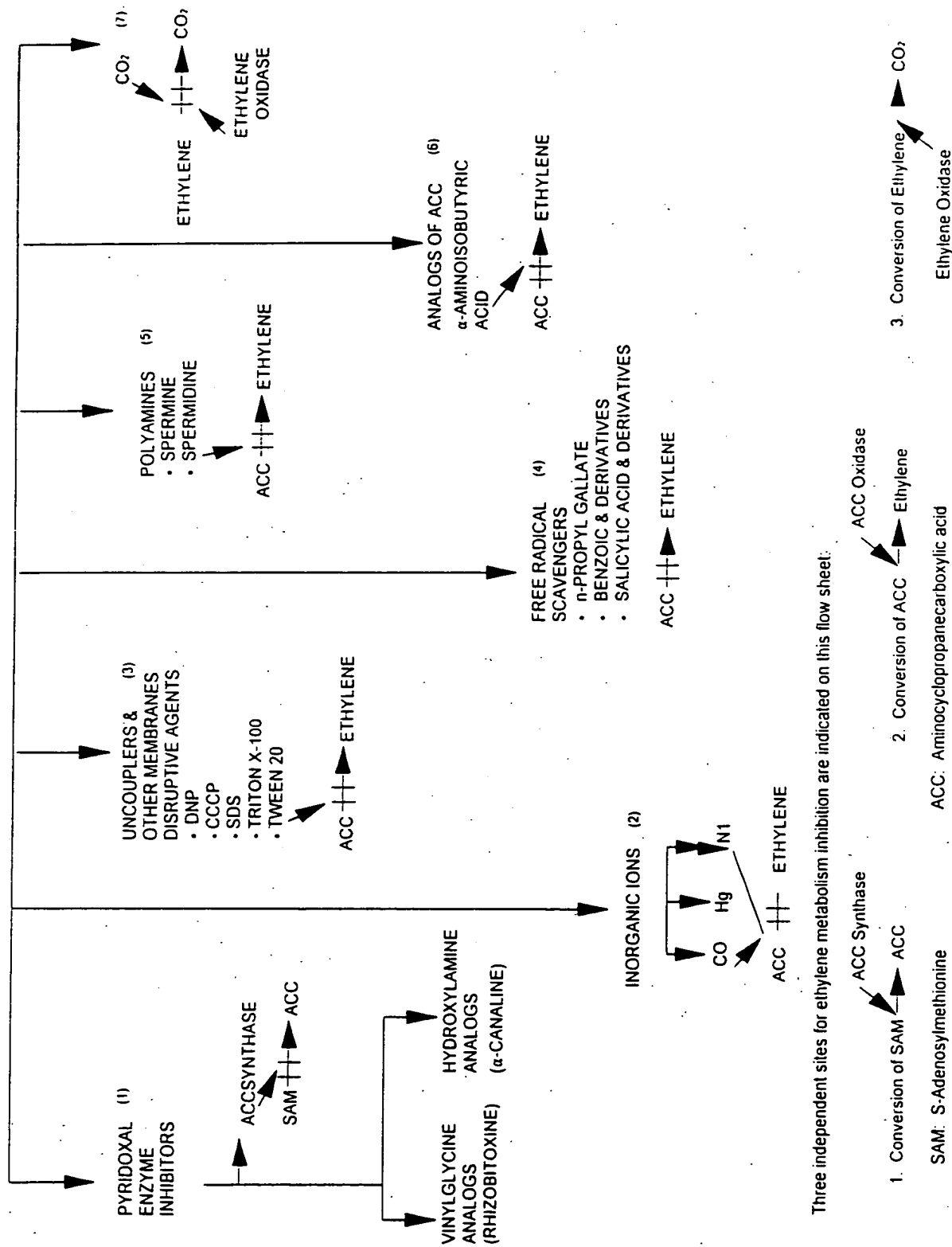


FIGURE 1C

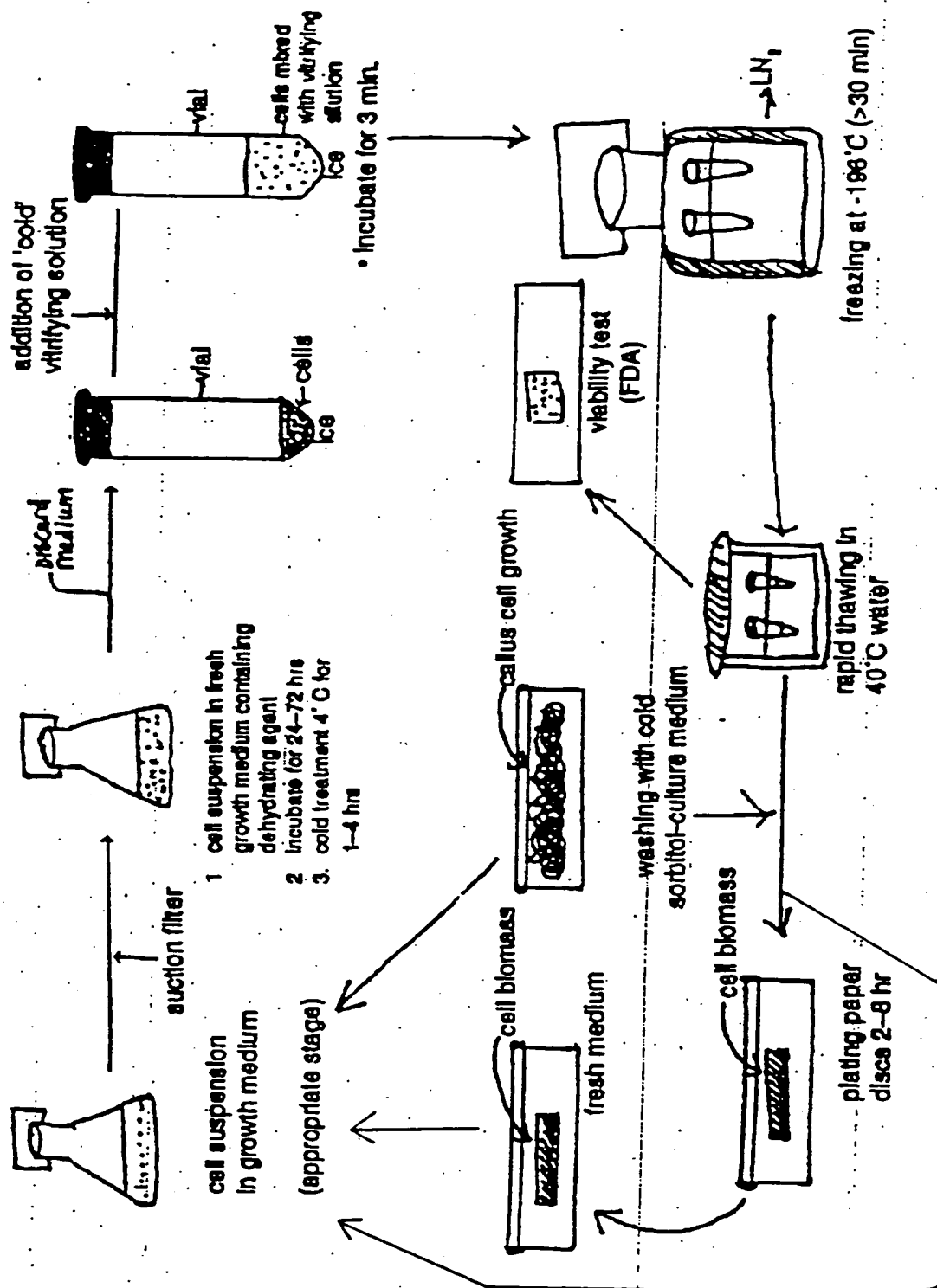
# INHIBITORS OF ETHYLENE PRODUCTION



Three independent sites for ethylene metabolism inhibition are indicated on this flow sheet:

FIGURE 2

FIGURE 3



10015339 1707121 6255001

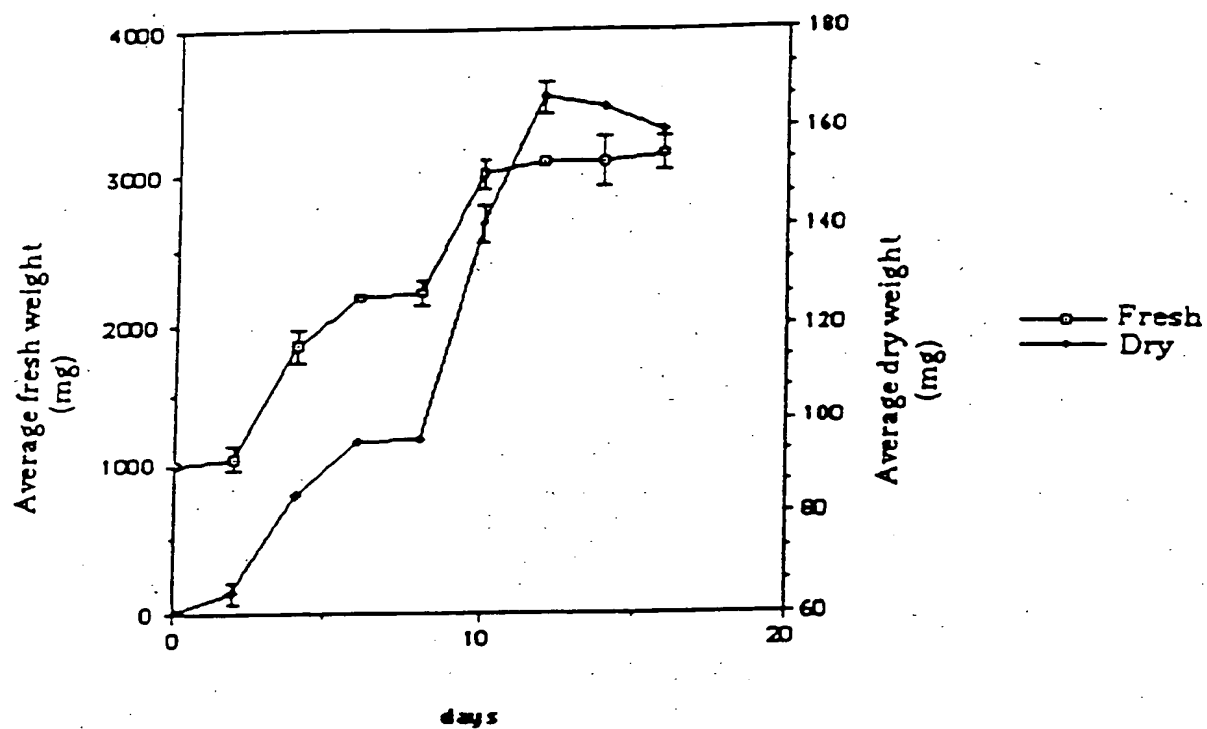
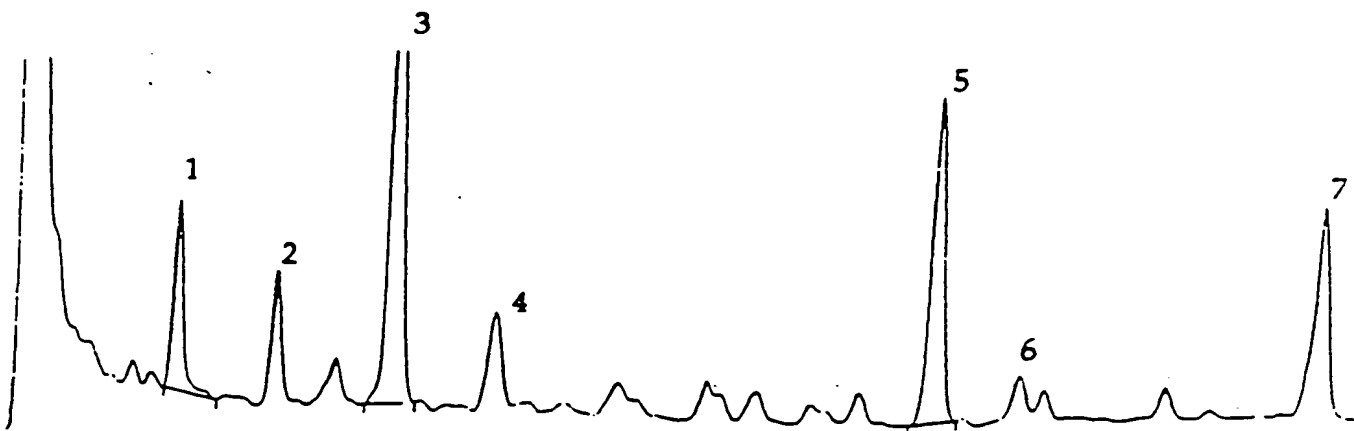
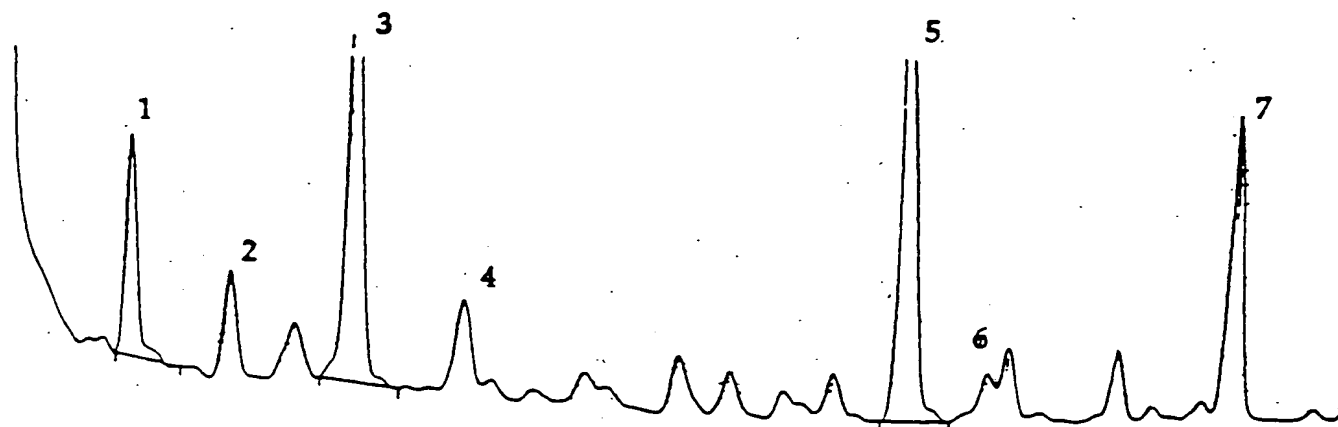


FIGURE 4

(A)



(B)



10045939.124704

FIGURE 5

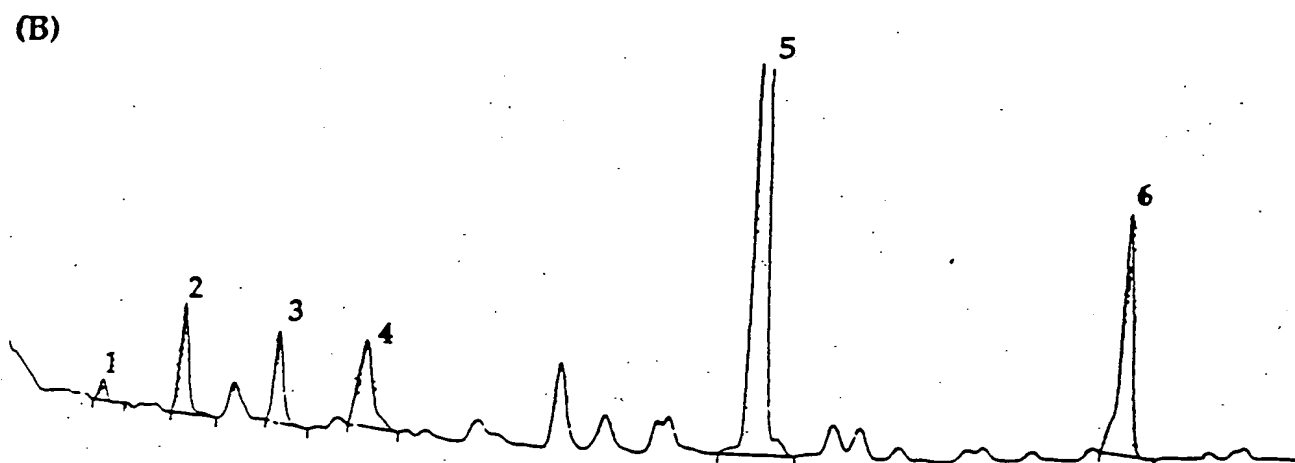
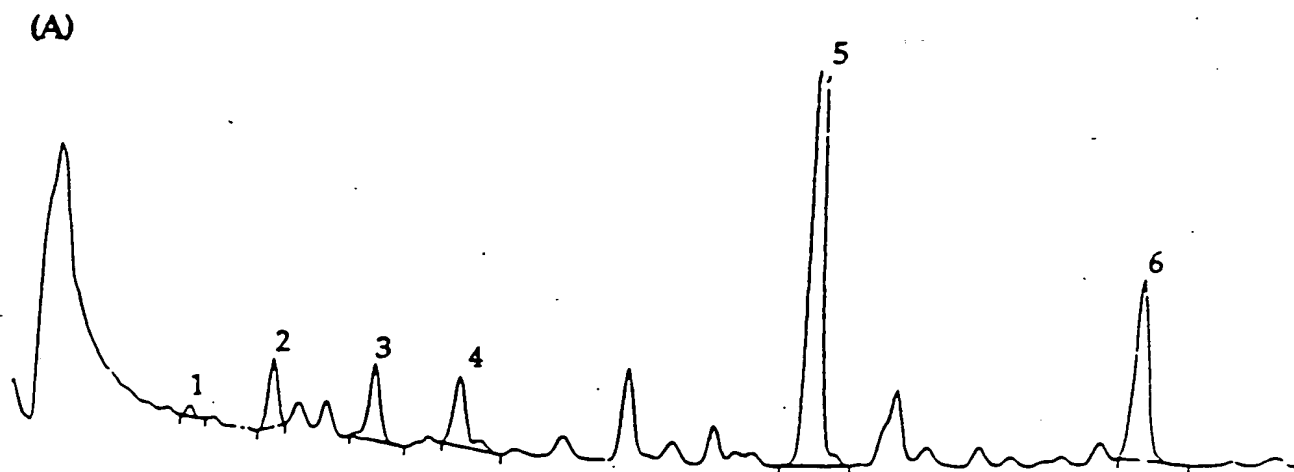


FIGURE 6



10015939.121701

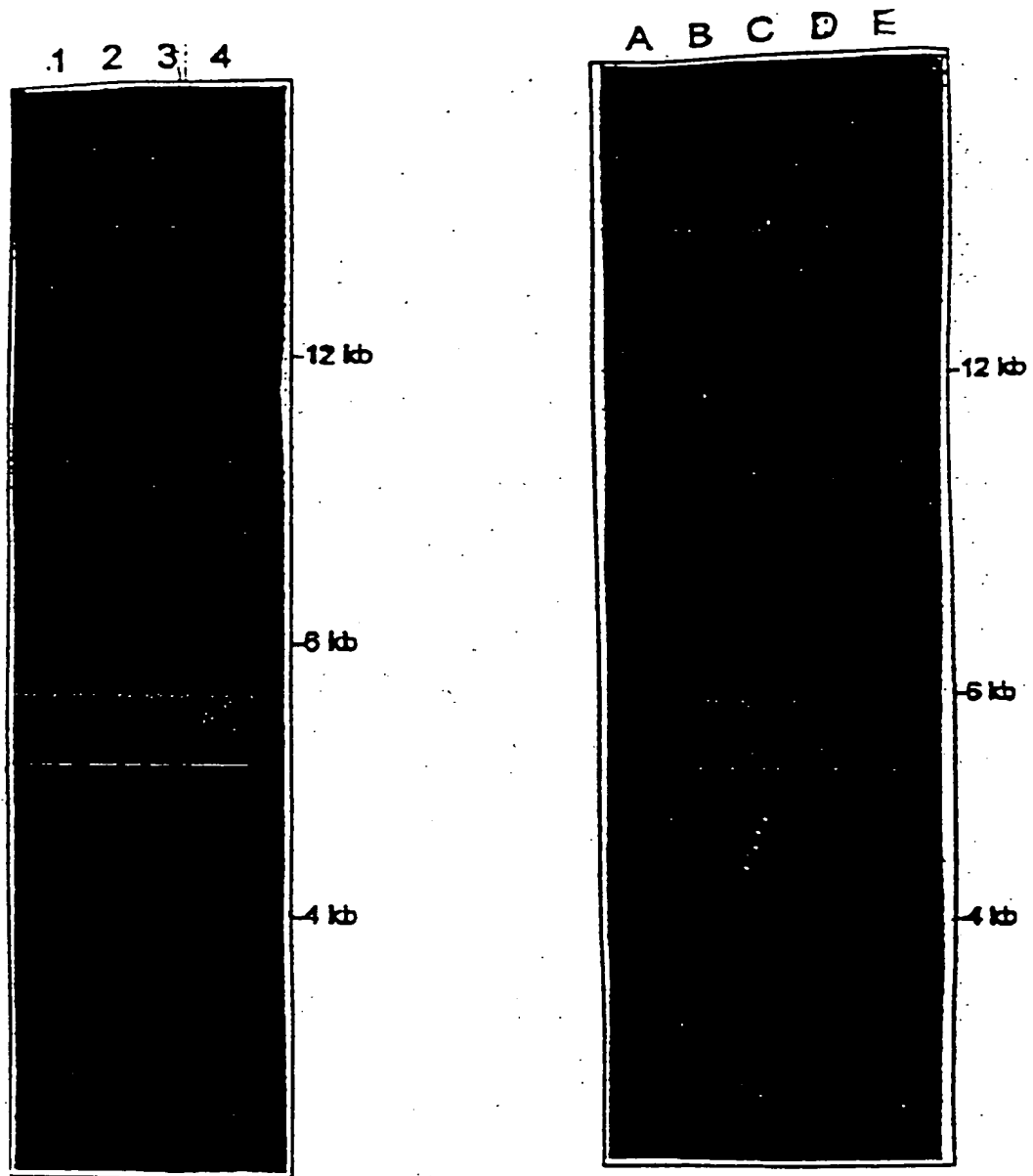


FIGURE 7

10015939.121701

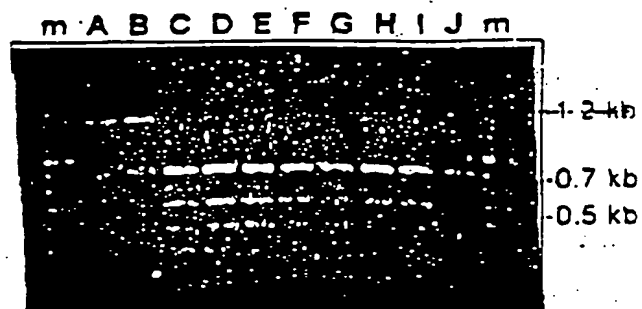


FIGURE 8